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### Electrophotographic imaging member and process comprising sputtering titanium ...

RN Jones, RE Heeks - US Patent 4,588,667, 1986 - Google Patents

... Typical vacuum **deposit-** ing techniques include sputtering, magnetron sputter- ing, RF sputtering ... adjacent The hydrolyzed silane may be prepared by hydrolyz- **photoconductive layer** layer and ... be prepared by adding sufficient water to hydrolyze the alkoxy **groups attached** to the ...

[Cited by 32 - Related articles](#) - All 2 versions

### Environmentally stable amorphous silicon photoreceptor and method for making ...

MD Graham, GL Dorer - US Patent 6,300,028, 2001 - Google Patents

... Both preparative methods have been used to **deposit** prior-art a-Si:H photoconductors onto metal ... uniform electric-field strengths E = 10 volts/micron across the thickness of the **photoconductive layer** for at ... there can be one to three (n=1, 2, or 3) labile X **groups attached** to the Si of ...

All 2 versions

### Photoconductive recording material comprising a crosslinked binder system

D Terrell, S De Meutter, M Monbaliu - US Patent 5,506,081, 1996 - Google Patents

... diamine ii) poly NH-**group** amines wherein aliphatic amino **groups** are **attached** to an ... steps of: (1) overall electrostatically charging, eg with corona- device, the **photoconductive layer** containing at ... In positive-positive development toner particles **deposit** 20 on those areas of the ...

[Cited by 1 - Related articles](#) - All 8 versions

### PHOTOCONDUCTIVE ISOCYANATE REACTION PRODUCTS AND DEPOSITED ...

US Patent 3,740,219, 1973 - Google Patents

... with isocyanates below 100° C. More- over, the isocyanate **group** may also be **attached** to a ... are reac- 45 tion products which form one or more urethane **groups** with isocyanates ... but usually also remain readily soluble in solvents, even after the **photoconductive layer** has dried. ...

### Electrophotographic imaging member with blocking layer containing uncrosslinked ...

JW Spiewak, HJ Yuh, J Mammino, RCU Yu, C ... - US Patent ..., 1993 - Google Patents

... a charge blocking layer, an imag- ing layer including at least one **photoconductive layer**, the blocking layer including an uncrosslinked copoly- mer derived from vinyl hydroxy ester or vinyl hydroxy amide repeat units chemically modified at a nucleo- philic hydroxyl **group** by a ...

[Cited by 11 - Related articles](#) - All 2 versions

### Photoreceptor overcoated with a polysiloxane

RL Schank - US Patent 4,923,775, 1990 - Google Patents

... 65 aging member comprising a supporting substrate, at least one **photoconductive layer** and an ... member can be imaged by the conventional steps of uniformly **deposit-** 15 ing ... The polymerizable silane materials containing the electron-accepting **groups attached** to silicon of the ...

[Cited by 12 - Related articles](#) - All 2 versions

### Electrophotographic imaging member having an improved charge transport layer

PJ DeFeo, JF Yanus, DM Pai, AR Melnyk - US Patent 5,863,685, 1999 - Google Patents

... the charge transport layer is sandwiched CTL layer is about 50 degrees C above the operating between the conductive layer and a **photoconductive layer** 45 temperature ... One way of increasing the solubility limit of the transport molecule is to **attach** long alkyl **groups** on to ...

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"photoconductive layer" and "chemical layer"

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### Imaging member

DM Pai, JM Pochan, DF Pochan - US Patent 4,297,425, 1981 - Google Patents

... "Cycle down" refers to the «cycle down» The use of this class of additives has no progressive increase in conductivity of the transport apparent deleterious effects of its own on the **chemical layer** and in a ... Page 5. 4,297,425 ployed to generate holes in the **photoconductive layer**. ...

[Cited by 8](#) - Related articles - All 2 versions

### Direct writing oscilloscope

US Patent 2,963,335, 1960 - Google Patents

... The recording medium 14' in turn consists of a backing 28' and an electro- **chemical layer** 30', but no **photoconductive layer** as in Page 3. 3,983,335 the previously described embodiment of the invention. The modification of the invention described in Fig. ...

[Cited by 1](#) - Related articles - All 2 versions

### Method of forming an electrophotographic color transfer image and apparatus used ...

E Kato, Y Nakazawa, S Osawa... - US Patent 5,747,214, 1998 - Google Patents

Page 1. United States Patent [i<q US005747214A [ii] Patent Number: [45] Date of Patent: 5,747,214 \*May 5, 1998 Kato et al. [54] METHOD OF FORMING AN 4 946 753 8/1990 Hmasry et al . 430/45 FF FCTROPHOTOORAPHIf1 ...

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Disazo compounds and photoconductive composition as well as ...

N Makino, S Horie, K Kawamura, H Sato... - US Patent 4,504,559, 1985 - Google Patents

... light sensitive layer depend- graphic light sensitive elements containing disazo com- ing upon **charge pattern**. ... may take an optional combina- tion and, the position of the substituents **attached** is optional. ... having 1 to 20 carbon atoms, a phenyl **group** or substituted **groups** thereof. ...

[Cited by 4](#) - Related articles - All 2 versions

Multilayer photoconductive elements having an acrylonitrile copolymer interlayer

WJ Staudenmayer, TJ Chen, PM Borsenberger, ... - US Patent ..., 1986 - Google Patents

... In areas where the **photoconductive layer** is irradi- erating layer containing a photoconductive pigment ated, mobile ... These particles are selectively attracted to and 3Q **deposit** in the charged areas or are ... In an additional funnel, which was **attached** to the flask, were added 75 65 ...

[Cited by 1](#) - Related articles - All 2 versions

... with a charge transport material having two epoxidated-carbazolyl **groups**

N Jubran, Z Tokarski, V Getautis, T ... - US Patent App. 10/ ..., 2004 - Google Patents

... provided in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate ... the aryl **group** may have at least one heteroatom in a substituent **attached** to the ...

[All 4 versions](#)

... 3, 6, 8-tetraoxo-1, 3, 6, 8-tetrahydrobenzo [lmn][3, 8] phenanthroline-2, 7-diyl **group**

N Jubran - US Patent App. 11/078,014, 2005 - Google Patents

... provided in the vicinity of the latent image and toner droplets or particles **deposit** in the ... a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate ... the aryl **group** may have at least one heteroatom in a substituent **attached** to the ...

[All 3 versions](#)

Organophotoreceptor with charge transport material having a vinyl ether **group**

JV Grazulevicius, G Buika, V Jankauskas, V ... - US Patent App. 10/ ..., 2003 - Google Patents

... in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... to a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate as ... A drum can have a hollow cylindrical structure that provides for **attach-** ment of the ...

[Related articles](#) - All 5 versions

... with charge transport material having two linked hydrazone **groups**

Z Tokarski, N Jubran, V Getautis, M ... - US Patent App. 10/ ..., 2003 - Google Patents

... in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... to a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate as ... A drum can have a hollow cylindrical structure that provides for **attach-** ment of the ...

[All 4 versions](#)

... with charge transport material with two N, N, N-trisubstituted-amino **groups**

N Jubran, Z Tokarski, V Getautis, O Pallulis, V ... - US Patent App. 10/ ..., 2003 - Google Patents

... in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... to a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate as ... A drum can have a hollow cylindrical structure that provides for **attach-** ment of the ...

[All 4 versions](#)

[Related articles - All 5 versions](#)

**... with novel charge transport compounds having an epoxy group**

Z Tokarski, N Jubran, KW Law, V Getautis, M ... - US Patent App. 10/ ..., 2003 - Google Patents

... in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... to a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate as ...

A drum can have a hollow cylindrical structure that provides for **attach-** ment of the ...

[Related articles - All 4 versions](#)

**Organophotoreceptor with charge transport compound with an azine group**

Z Tokarski, N Jubran, V Getautis, M ... - US Patent App. 10/ ..., 2003 - Google Patents

... in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate ... referring to an (N,N-disubstituted)ary- lamine **group**, the two substituents **attached** to the ...

[Related articles - All 5 versions](#)

**Organophotoreceptor with charge transport material with fluorenone azine groups**

N Jubran, Z Tokarski, KW Law - US Patent App. 10/670,483, 2003 - Google Patents

... in the vicinity of the latent image, and toner droplets or particles **deposit** in the ... to a suitable ultimate or intermediate receiving surface, such as paper, or the **photoconductive layer** can operate as ...

A drum can have a hollow cylindrical structure that provides for **attach-** ment of the ...

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## ... METHOD OF MAKING SAME USING HOMEOTROPIC LIQUID CRYSTAL SILANES ...

LI Chia-yan, FJ Bottari, BO Geaghan - 2001 - freepatentsonline.com

... which display 10 may be attached and may similarly include a tin **oxide** layer deposited ... finger or stylus deformable **conductive** layer 24 compresses and makes contact with **conductive** layer 16 ... and facilitates bonding between the protective layer and the liquid crystal **silane** layer ...

[All 2 versions](#)

## Dispersion stabilization of **conductive** transparent **oxide** nanoparticles- ► [kaist.ac.kr](#)

 YS Cho, HM Kim, JJ Hong, GR Yi, SH Jang, SM ... - *Colloids and Surfaces A*: ..., 2009 - Elsevier

... The transparent **conductive** and antireflective films were annealed for solidification and removal of remaining ... has a cubic bixbyite crystal structure without any tetragonal crystallites of tin **oxide** [27 ... Titanate or **silane** coupling agents are also good candidates for stabilization of ITO ...

[Related articles](#) - [All 3 versions](#)

## ... METHOD OF MAKING SAME USING HOMEOTROPIC LIQUID CRYSTAL SILANES ...

CY LI, FJ Bottari, BO Geaghan - US Patent App. 09/233,305, 1999 - Google Patents

... 6. The anti-microbial touch panel of claim 1 in which said organosilane includes a liquid crystal **silane**. 7 ... screen. 10. The anti-microbial touch panel of claim 6 in which said first **conductive** layer includes a metal **oxide**. 11. The ...

[All 6 versions](#)

## Semiconductor manufacturing process with **oxide** film formed on an uneven ...

M Matsuura - US Patent 5,937,322, 1999 - Google Patents

... 7 is a circuit diagram showing the memory cell **array** area of the DRAM according to the present ... 2H<sub>2</sub>Si4H<sub>6</sub> + 6H<sub>2</sub>O<sub>2</sub> " 2Si(OH)<sub>4</sub> + 4H<sub>2</sub>O + H<sub>2</sub> 10 In the same manner as employing **silane**, **silanol** of superior fluidity is produced first, and then a silicon **oxide** is produced ...

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## Antiglare coating and articles

PJ Richter, DR Cairns, FJ Bottari - US Patent App. 11/863,503, 2007 - Google Patents

... deposited in a similar manner as discussed with reference to **conductive** layer 16. ... of curing an organosilane solution, particularly when applied to doped tin **oxide** coated glass ... cinnamates, pyridines, benzoates, and mix- tures thereof Such liquid crystal **silanes** are commercially ...

[All 8 versions](#)

## Cathode ray tube having an internal neutral density filter

F Parsapour, BVS Gunturi, SA Colbert, BT ... - US Patent App. 10/ ... , 2003 - Google Patents

... A thin **conductive** layer 24 (shown in FIG. ... the aqueous suspension comprises at least two pigments and at least one non-pigmented **oxide** particle, and ... coat layer comprises a material selected from the group consisting of polyvinyl alcohol, functionalized **silanes**, **silanol** and silox ...

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## [PDF] ► **Array** Biosensor for the detection of Organophosphates

M Ramanathan - 2006 - etd.auburn.edu

... CHAPTER 3: MATERIALS AND METHODS 35 3.1 Objectives 35 3.2 **Array** Biosensor Instrument - Description and Modifications 36 3.2.1 Light Source 36 3.2.2 Imaging ... 68 4.3 pH dependent spectra of CNF 72 4.4 Amino-**Silane** functionalized waveguide 76 4.4.1 pH response 76 ...